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PTO/SB/81 (09-04)

Approved for use through 07/31/2008. OMB 0651-0031  
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

**PETITION FOR REVIVAL OF AN APPLICATION FOR PATENT  
ABANDONED UNAVOIDABLY UNDER 37 CFR 1.137(a)**

Docket Number (Optional)

NANOTUBE03

First Named Inventor:

Yingjian Chen

Art Unit:

Application Number:

10/617,015

Examiner:

Filed:

7/10/2003

Title:

Nanotube Spin Valve and Method of Producing the Same

Attention: Office of Petitions

**Mall Stop Petition**

Commissioner for Patents

P.O. Box 1450

Alexandria, VA 22313-1450

NOTE: If information or assistance is needed in completing this form, please contact  
Petitions Information at (703) 305-9282.

The above-identified application became abandoned for failure to file a timely and proper reply to a notice or action by the United States Patent and Trademark Office. The date of abandonment is the day after the expiration date of the period set for reply in the Office notice or action plus any extensions of time actually obtained.

**APPLICANT HEREBY PETITIONS FOR REVIVAL OF THIS APPLICATION.**

NOTE: A grantable petition requires the following items:

- (1) Petition fee.
- (2) Reply and/or issue fee.
- (3) Terminal disclaimer with disclaimer fee required for all utility and plant applications filed before June 8, 1995, and for all design applications; and
- (4) Adequate showing of the cause of unavoidable delay.

## 1. Petition fee

Small entity – fee \$ 55 (37 CFR 1.17(l)). Applicant claims small entity status.  
See 37 CFR 1.27.

Other than small entity – fee \$ \_\_\_\_\_ (37 CFR 1.17(l)).

## 2. Reply and/or fee

A The reply and/or fee to the above-noted Office action in the form of  
\_\_\_\_\_ (identify the type of reply):

has been filed previously on \_\_\_\_\_.

is enclosed herewith.

B The issue fee of \$ \_\_\_\_\_

has been filed previously on \_\_\_\_\_.

is enclosed herewith.

[Page 1 of 3]

This collection of information is required by 37 CFR 1.137(a). The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 8 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mail Stop Petition, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

*If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.*

12/03/2004 AWONDAF1 00000008 10617015

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**PETITION FOR REVIVAL OF AN APPLICATION FOR PATENT ABANDONED  
UNAVOIDABLY UNDER 37 CFR 1.137(a)**

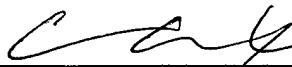
## 3. Terminal disclaimer with disclaimer fee

Since this utility/plant application was filed on or after June 8, 1995, no terminal disclaimer is required.

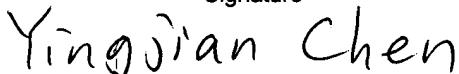
A terminal disclaimer (and disclaimer fee (37 CFR 1.20(d)) of \$ \_\_\_\_\_ for a small entity or \$ \_\_\_\_\_ for other than a small entity) claiming the required period of time is enclosed herewith (see PTO/SB/63).

## 4. An adequate showing of the cause of the delay, and that the entire delay in filing the required reply from the due date for the reply until the filing of a grantable petition under 37 CFR 1.137(a) was unavoidable, is enclosed.

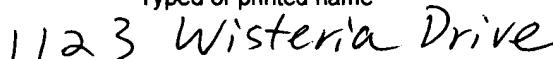
**WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.**



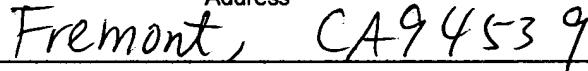
Signature



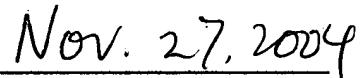
Typed or printed name



Address



Address



Date

Registration Number, if applicable

Telephone Number

Enclosure  Fee Payment

Reply

Terminal Disclaimer Form

Additional sheets containing statements establishing unavoidable delay

\_\_\_\_\_

**CERTIFICATE OF MAILING OR TRANSMISSION (37 CFR 1.8(a))**

I hereby certify that this correspondence is being:

deposited with the United States Postal Service on the date shown below with sufficient postage as first class mail in an envelope addressed to **Mail Stop Petition**, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

transmitted by facsimile on the date shown below to the United States Patent and Trademark Office at (703) 872-9306.

\_\_\_\_\_  
Date\_\_\_\_\_  
Signature\_\_\_\_\_  
Typed or printed name of person signing certificate

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**PETITION FOR REVIVAL OF AN APPLICATION FOR PATENT ABANDONED  
UNAVOIDABLY UNDER 37 CFR 1.137(a)**

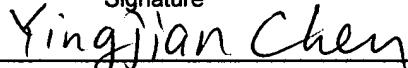
NOTE: The following showing of the cause of unavoidable delay must be signed by all applicants or by any other party who is presenting statements concerning the cause of delay.



Signature

11/27/2004

Date



Typed or printed name

Registration Number, if applicable

(In the space provided below, please explain in detail the reasons for the delay in filing a proper reply.)

The inventor sincerely regret the delay in responding to "NOTICE TO FILE CORRECTED APPLICATION PAPERS" dated 10/08/2003. The inventor requests that the application be revived on the grounds of UNAVOIDABLE DELAY due to circumstances below:

The applicant had been employed by Read-Rite Corporation until this company filed Chapter 7 bankruptcy on June 17, 2003. Read-Rite Corporation had been a supplier of recording heads for hard disk drive. Spin valve, one of the key technology components for manufacturing recording heads, is a subject of concern in this invention. On July 1, 2003, the inventor joined Western Digital Corporation, a disk drive company who had not been engaged in recording heads business. The patent application filed on July 10, 2003 was not in violation with the non-competition agreement between the inventor and his company of employment, Western Digital Corp. However, Western Digital acquired the assets and intellectual properties of Read-Rite Corp in August, and became engaged in the business of recording heads manufacturing. The inventor decided to seek legal advice in order to fully understand the legal ramification of this patent application before any further action was taken. The legal issue has been resolved only recently. It has taken longer than that anticipated by the inventor, and certainly longer than the TWO month set forth by the initial office action.

(Please attach additional sheets if additional space is needed.)



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE  
 United States Patent and Trademark Office  
 Address: COMMISSIONER FOR PATENTS  
 P.O. Box 1450  
 Alexandria, Virginia 22313-1450  
[www.uspto.gov](http://www.uspto.gov)

APPLICATION NUMBER	FILING OR 371(C) DATE	FIRST NAMED APPLICANT	ATTY. DOCKET NO./TITLE
10/617,015	07/10/2003	Yingjian Chen	NANOTUBE03

YINGJIAN CHEN  
 1123 WISTERIA DRIVE  
 FREMONT, CA 94539



**CONFIRMATION NO. 3073**  
**ABANDONMENT/TERMINATION**  
**LETTER**  
 \*OC000000014440365\*  
 \*OC000000014440365\*

Date Mailed: 11/23/2004

**NOTICE OF ABANDONMENT UNDER 37 CFR 1.53 (f) OR (g)**

The above-identified application is abandoned for failure to timely or properly reply to the Notice to File Missing Parts (Notice) mailed on 10/08/2003.

- No reply was received.

A petition to the Commissioner under 37 CFR 1.137 may be filed requesting that the application be revived.

Under 37 CFR 1.137(a), a petition requesting the application be revived on the grounds of **UNAVOIDABLE DELAY** must be filed promptly after the applicant becomes aware of the abandonment and such petition must be accompanied by: (1) an adequate showing of the cause of unavoidable delay; (2) the required reply to the above-identified Notice; (3) the petition fee set forth in 37 CFR 1.17(l); and (4) a terminal disclaimer if required by 37 CFR 1.137(d).

Under 37 CFR 1.137(b), a petition requesting the application be revived on the grounds of **UNINTENTIONAL DELAY** must be filed promptly after applicant becomes aware of the abandonment and such petition must be accompanied by: (1) a statement that the entire delay was unintentional; (2) the required reply to the above-identified Notice; (3) the petition fee set forth in 37 CFR 1.17(m); and (4) a terminal disclaimer if required by 37 CFR 1.137(d).

Any questions concerning petitions to revive should be directed to the "Office of Petitions" at (703) 305-9282. Petitions should be mailed to: Mail Stop Petitions, Commissioner for Patents, P.O. Box 1450, Alexandria VA 22313-1450.

*A copy of this notice **MUST** be returned with the reply.*

*Z-Mozu&S*

Customer Service Center

Initial Patent Examination Division (703) 308-1202

PART 2 - COPY TO BE RETURNED WITH RESPONSE